

**REMARKS**

Claims 1-25 are pending in the application. Claims 1 and 17 are independent claims.

Claim 1 has been broadened by deleting of certain elements. Claim 1 has not been narrowed in any way.

Claim 2 has been broadened by adding elements that are supported by paragraphs [0002] and [0005].

Claim 3 has been broadened.

Claim 4 has been broadened.

Claim 5 has been amended to clarify the claim language.

Claim 6 has been amended to correct an antecedent problem.

Claim 7 has been amended to correct a grammatical error.

Claim 10 has been amended to correct an antecedent problem.

Claim 11 has been amended to clarify the claim language.

Claim 13 has been amended to correct an antecedent problem.

Claim 14 has been amended to correct an antecedent problem.

Claim 16 has been amended to clarify the claim language.

Amendments to apparatus claims 17- 25 are similar to amendments made to the method claims 1-16.

New claims 26 and 27 are supported by eqn. (8). Applicant notes that  $J_0$  is a zero order Bessel function of the first kind.

10/717,123

New method claim 28 and apparatus claim 30 are broad claims directed towards the concept of pulsing a NMR apparatus with a pulse sequence defined in terms of a zero of a Bessel function.

No new matter has been added by the amendments. Consideration of the application as amended is respectfully requested.

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 02-0429 (584-26801-US).

Respectfully submitted,

Dated: October 20, 2004

  
\_\_\_\_\_  
Kaushik P. Sriram, Reg. No. 43,150  
Madan, Mossman & Sriram, P.C.  
2603 Augusta, Suite 700  
Houston, Texas 77057  
Telephone: (713) 266-1130  
Facsimile: (713) 266-8510

10/717,123